

PIWIL4 抗原（重组蛋白）

中文名称： PIWIL4 抗原（重组蛋白）

英文名称： PIWIL4 Antigen (Recombinant Protein)

别名： HIWI2; MIWI2

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 546-838 amino acids of human PIWIL4

技术规格

Full name:	Piwi-like RNA-mediated gene silencing 4
Synonyms:	HIWI2; MIWI2
Swissprot:	Q7Z3Z4
Gene Accession:	BC031060
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	PIWIL4 belongs to the Argonaute family of proteins, which function in development and maintenance of germline stem cells. Plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins.

oteins and govern the methylation and subsequent repression of transposons. Directly binds piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. Associates with secondary piRNAs antisense and PIWIL2/MILI is required for such association.